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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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James A. Amos

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EXAMINER

LU, ZHIYU

ART UNIT

PAPER NUMBER

2618

NOTIFICATION DATE

DELIVERY MODE

03/24/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/600,084	Applicant(s) AMOS, JAMES A.	
	Examiner ZHIYU LU	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 December 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9, 14-19 and 34-37 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 14-19 and 34-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1, 14 and 34 have been considered but are moot in view of the new ground(s) of rejection based on new matter subjected limitations.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1, 14 and 34 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claim 1, applicant claims "send a signal to the controller via the personal area network transceiver to route the voice communication... responsive to reestablishing a connection with the wireless personal area network." There is no support in the filed specification to indicate which transceiver sends the signal via which network to initiate call re-route.

Similarly, limitations in claims 14 and 34 are lack of support as well.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-9, 14-19 and 34-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bridgelall (US2002/0085516) in view of Awater et al. (US2001/0010689), Mohammed (US2003/0119548), and Leedom, Jr (US2001/0036835).

Regarding claim 1, Bridgelall teaches a wireless voice over Internet Protocol (VoIP) telephone, comprising:

a wireless handset that comprises a wireless personal area network transceiver configured to communicate with a wireless personal area network, a wireless local area network transceiver configured to communicate with a wireless local area network, and a selecting device for selecting between the wireless personal area network transceiver and the wireless local area network transceiver (Figs. 1-2, paragraphs 0011, 0026);

wherein the wireless handset is in voice communication with a controller (MSC of Fig. 2), the controller is configured to communicate with a base station (106 of Fig. 1) coupled to the wireless personal area network and an access point (104 of Fig. 1) coupled to the wireless local area network (Fig. 1, paragraph 0026);

wherein the selecting device is configured to send a signal via the wireless local area network transceiver to route the voice communication for the wireless handset through the wireless local area network responsive to the wireless personal area network transceiver being unable to detect a wireless personal area network connection (Fig. 1, paragraph 0026, where obviously the signal has to be via wireless local area network transceiver since the wireless personal area network connection is off); and

wherein the selecting device is configured to send a signal to route the voice communication for the wireless handset through the wireless personal area network responsive to reestablishing a connection with the wireless personal area network (Fig. 1, paragraphs 0026 & 0065, where network selection bases on user's preference).

But, Bridgelall does not expressly disclose send a signal to the controller via the personal area network transceiver to route the voice communication; and wherein the selecting device selects the wireless personal area network transceiver for routing the voice communication through the wireless personal area network when the wireless personal area network transceiver detects a wireless personal area network connection, otherwise the selecting device selects the wireless local area network transceiver.

However, Bridgelall teaches initiating call re-route by the handset after detection of WLAN (paragraphs 0065, 0069-0070).

Awater et al. teach a wireless handset having selecting device to select connection between WLAN and WPAN, where WPAN is set as preferential connection (Fig. 1, paragraphs 0050-0054).

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Mohammad teaches a subscriber device (12 of Fig. 1) enters and communicates with a wireless local area network (16 of Fig. 1) which causes a server/controller (24 of Fig. 1) to seamlessly re-route a call from a cellular network (15 of Fig. 1) to the wireless local area network (paragraphs 0055-0059). It would have been obvious to one of ordinary skill in the art to know that call re-route can be initiated via the second/target wireless network as shift the burden in processing call re-route from the first/initial wireless network of Bridgelall.

Leedom, Jr. teaches a mobile handset (UMMAD, 4 of Fig. 1) sends a transition request directly to a universal system traffic controller (21 of Fig. 1) to re-route a call from one communications system to another when within range (paragraphs 0043-0049), which would have been obvious to one of ordinary skill in the art to apply that the mobile handset can initiate call routing between networks via the target network in light of Mohammad for direct call re-route initiation. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate having WPAN set as preferential connection for wireless handset selecting device taught by Awater et al. and sending direct call re-route request when entering a wireless network taught by Mohammad and Leedom, Jr. into the wireless VoIP telephone of Bridgelall, in order to save power consumption and provide direct call re-route initiation.

Regarding claim 14, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach a method for a wireless handset to send and receive voice over Internet Protocol using a wireless voice over Internet Protocol telephone as explained in claim 1 above, where Awater et al. teach mode detection (paragraphs 0054-0055).

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Regarding claim 34, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach an apparatus as explained in response to claim 1 above.

Regarding claims 2 and 16, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitations of claims 1 and 14.

Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach a base station that comprises a wireless personal area network transceiver for communicating with the wireless personal area network transceiver of the wireless handset (inherent in Awater et al.; 106 of Fig. 1 of Bridgelall).

Regarding claim 3, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 2.

Bridgelall teaches the base station further comprising a network interface card, wherein the base station notifies a wireless local area network when a wireless personal area network signal from the wireless handset is not detected (paragraph 0011, where the same obviously applies to transfer between WPAN and WLAN).

Regarding claim 4, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 2.

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Bridgelall teach the wireless personal area network transceiver of the base station is a Bluetooth transceiver and the wireless personal area network transceiver of the wireless handset is a Bluetooth transceiver (paragraph 0026).

Regarding claim 5, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 2.

Awater et al. teach the wireless personal area network transceiver of the base station is an infrared transceiver and the wireless personal area network transceiver of the wireless handset is a infrared transceiver (paragraph 0005, which would have been obvious to one of ordinary skill in the art to utilize an infrared connection instead of Bluetooth as design preference).

Regarding claim 6, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 2.

Bridgelall teaches the controller is a phone controller that is communicatively coupled to at least one access point over a local area network, and to the base station (EGC of paragraph 0011).

Regarding claims 7, 19 and 36, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitations of claims 1, 18 and 34.

Awater et al. teach the wireless local area network transceiver is an 802.11x transceiver (128 of Fig. 1).

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Regarding claim 8, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 1.

Awater et al. teach the wireless personal area network transceiver is an infrared transceiver (paragraph 0005 of Awater et al., which would have been obvious to one of ordinary skill in the art to utilize an infrared connection instead of Bluetooth as design preference).

Regarding claims 9, 17 and 35, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitations of claims 1, 16 and 34.

Awater et al. teach the wireless personal area network transceiver is a Bluetooth transceiver (130 of Fig. 1).

Regarding claim 38, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 1.

Awater et al. teach the wireless local area network transceiver is configured to switch to a power save state while the wireless handset is communicating with the controller through personal area network transceiver (paragraph 0055).

Regarding claim 15, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 14.

Bridgelall teaches wherein the wireless local area network transceiver is at a remote location and communicatively coupled to the base station (paragraph 0011).

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Regarding claim 18, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 16.

Bridgelall teaches authenticating the wireless handset by the base station (paragraph 0032).

Regarding claim 37, Bridgelall, Awater et al., Mohammad, and Leedom, Jr. teach the limitation of claim 34.

Awater et al. teach means for switching the wireless local area network transceiver to a power save mode responsive to the means for determining when the wireless handset is out of range of the associated base station associated with the wireless handset determining the wireless handset has moved within range of the base station (paragraph 0055).

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ZHIYU LU whose telephone number is (571)272-2837. The examiner can normally be reached on Weekdays: 9AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Zhiyu Lu
March 6, 2008
/Z. L./
Examiner, Art Unit 2618

/Nay A. Maung/
Supervisory Patent Examiner, Art Unit
2618